

U.S. Patent Application Serial No. 10/570,057

Amendment dated July 21, 2008

Reply to Office Action of February 21, 2008

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A pipe made of a crosslinkable polyethylene composition containing ethylene silane copolymer resin having a content of silane of about 0.1 to 10 wt-% and at least one silanol condensation catalyst, wherein the ethylene silane copolymer resin has a density of >925 kg/m³.
2. (Previously Presented) Pipe according to claim 1, wherein the ethylene silane copolymer resin has a density of >928 kg/m³.
3. (Currently Amended) Pipe according to claim 2, wherein the ethylene silane copolymer resin is an ethylene-vinyltriethoxysilane copolymer, an ethylene-gamma-methacryloxytriethoxysilane copolymer, an ethylene- vinyltrimethoxysilane copolymer or an ethylene-gamma-trimethoxysilane copolymer resin, ~~preferably an ethylene-vinyltrimethoxysilane copolymer resin.~~
4. (Previously Presented) Pipe according to claim 1, wherein the composition further comprises high density polyethylene in an amount of < 40 wt.-%.
5. (Previously Presented) Pipe according to claim 1, wherein the amount of high density polyethylene is 15-35 wt.-%, preferably 20-30 wt.-%.
6. (Previously Presented) Pipe according to claim 1, wherein the MFR₂ at 190°C/2.16 kg of the composition is 0.1-100 g/10 min.

7. (Previously Presented) Pipe according to claim 1, wherein the elongation at break is > 200% as measured according to ISO 527.

8. (Previously Presented) Pipe according to claim 1, wherein the tensile strength at break is >12.5 Mpa as measured according to ISO 527.

9. (Previously Presented) A crosslinkable high pressure polyethylene composition according to claim 1, wherein the gel content is >65 weight% as measured according to ASTM D 2765.

10. (Previously Presented) Pipe according to claim 1, wherein the polyethylene composition further comprises 0.1 to 2.0 wt.-% of a drying agent.

11. (Previously Presented) Pipe according to claim 1, wherein the the pressure resistance at 95°C is at least 4.4 Mpa for a failure time of at least more than 1000 hours.

12. - 16. (Cancelled)

17. (New) Pipe according to claim 3, wherein the ethylene silane copolymer resin is an ethylene- vinyltrimethoxysilane copolymer resin.